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CLAIMS

1. Process to prepare simultaneously two or more base oil grades and middle distillates from a mineral crude derived feed, in particular a de-asphalted oil or a vacuum distillate feed or their mixtures, by performing the following steps:

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- (a) hydrocracking the mineral crude derived feed, thereby obtaining an effluent;
- (b) distillation of the effluent as obtained in step (a) into one or more middle distillates and a full range residue boiling substantially above 340 °C,
- (c) catalytically dewaxing the full range residue by contacting the residue with a dewaxing catalyst comprising a zeolite of the MTW type and a Group VIII metal, thereby obtaining a dewaxed oil;
- (d) isolating by means of distillation two or more base oil grades from the dewaxed oil obtained in step (c); and
 - (e) isolating a dewaxed gas oil from the dewaxed-oil obtained in step (c);
 - wherein the dewaxed oil as obtained in step (c) comprises between 10 and 40 wt% of a dewaxed heavy gas oil boiling for more than 70 wt% between 370 and 400 °C.
 - 2. Process according to claim 1, wherein more than 20 wt% of the feed to step (a) boils above 470 °C.
 - 3. Process according to claim 1 or 2, wherein a fraction comprising the dewaxed gas oil is recycled to step (b) to obtain a mixture of hydrocracked and dewaxed gas oil.
 - 4. Process according to any one of claims 1-3, wherein between 0 and 15 wt% of the full range residue as obtained in step (b) is recycled to step (a).

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- 5. Process according to any one of claims 1-4, wherein the feed to step (c) also comprises a Fischer-Tropsch derived partly isomerised paraffin fraction.
- 6. Process according to any one of claims 1-5, wherein the effluent of step (c) is subjected to an additional hydrofinishing step.

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- 7. Process according to claim 6, wherein the hydrogen partial pressure in step (c) is greater than 100 bars.
- 8. Process according to claims 6-7, wherein the base oil grades obtained in step (d) comprises of more than 95 wt% of saturates and have a viscosity index of between 95 and 120.
- 9. Dewaxed gas oil obtainable according to step (e) of any one of the preceding claims 1-8.
- 10. Dewaxed gas oil according to claim 9, wherein the gas oil has an aromatic content of below 0.1 mmol/100 grams, a sulphur content of below 10 ppm and a pour point of below -30 °C.
 - 11. Use of the dewaxed gas oil according to claim 9 or 10 as a drilling mud component.